PTO/SB/08A (10-01)

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and U.S. DEPARTMENT OF COMMERCE

U.S. Patent and U.S. DEPARTMENT OF COMMERCE

U.S. DEPARTMENT OF COMMERCE

U.S. DEPARTMENT OF COMMERCE

U.S. DEP

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Sheet

	Complete if Known	
Application Number	10/666,930	
Filing Date	September 19, 2003	
First Named Inventor	Farnworth et al.	
Group Art Unit	2812	
Examiner Name	S. Isaac	
Attorney Docket Number	2269-5529US (02-0766.00/US)	

		Document Number	Publication Date	Name of Patentee or Applicant of	
caminer nitials *	Cite No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
10%	V	US-5,121,256	06/09/1992	Corle et al.	1
1	N / I	US- 5,610,683	03/11/1997	Takahashi	
	ΠT	US- 5,843,527	12/01/1998	Sanada	1
	IV	US- 5,919,520	07/06/1999	Tateyama et al.	
1	1 /	US- 6,040,248	03/21/2000	Chen et al.	
	1/ \	US- 6,114,253	09/05/2000	Jang et al.	
	<i>/</i> \	US- 6,143,590	11/07/2000	Ohki et al.	\
7		US- 6,326,698 B1 ·	12/04/2001	Akram	\ /
77		US- 6,468,832 B1	10/22/2002	Mostafazadeh	
17		US- 6,506,688 B2	01/14/2003	Wu	\ /
17		US- 6,537,482 B1	03/25/2003	Famworth	\ /
17		US- 6,621,161 B2	09/16/2003	Miyawaki	V
7/		US- 6,736,896 B2	05/18/2004	Lin	\wedge
Y		US- 6,749,688 B2	06/15/2004	Tateyama et al.	
T		US- 6,908,784 B1	06/21/2005	Farnworth et al.	/ \
1		US- 2006/0109630 A1	05/25/2006	Colgan et al.	
$\sqrt{}$		US-		0	
$\sqrt{}$	1	US-			
	1	US-		X	

		FOREIGN P	ATENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
Initials* No.	Country Code ³ - Number ⁴ - Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T¢	
80-X	Γ 2	EP 0 023 231 B1	02/04/1981	Tabarelli et al.		
	- \ 					/
\ /			1			/_
-\-/-	$-\Lambda$			\rightarrow		
- \	/ }			$\overline{}$	<u> </u>	/
-	<i> </i>	X		$\overline{}$		/
$\overline{}$	<u> </u>			/	/	
	L				X	
				· · · · · · · · · · · · · · · · · · ·		
Examiner Signature		Staretta Sare	Date Conside	red O	406	

EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450,Alexandria, VA 22313-1450.

¹ Applicant's unique citation designation number (optonal). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

on Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/P Complete if Known 10/666,930 INFORMATION DISCLOSURE Application Number September 19, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Farnworth et al. 2812 Group Art Unit (use as many sheets as necessary) Examiner Name S. Isaac 2269-5529US (02-0766.00/US) Sheet Attorney Docket Number

		· · · · · · · · · · · · · · · · · · ·	U.S. PATENT D		
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	No.'	Number - Kind Code ² (if known)	MM-DD-YYYY		Passages or Relevant Figures Appear
Tai	Λ	US-5,723,385	03/03/1998	Shen et al.	
1	11 7	US- 5,824,457	10/20/1998	Liu et al.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	17	US- 6,033,589	03/07/2000	Lin	\ \ \
	11 /	US- 6,042,976	03/28/2000	Chiang et al.	
		US- 6,432,752 B1	08/13/2002	Farnworth	\ /
	$\overline{\Pi}$	US- 6,462,401 B2	10/08/2002	Fujii	
		US-	1		\ /
7	\ \ \	845-			\/
$\overline{}$	$ \wedge $	US			1 X
$\neg \forall$	\Box	US-			
		US-			
	\Box	US- X			
\Box	\Box	US-			
	M	US-			
$\neg \tau$	IY I	US- /			
\neg	Λ	US-/		7	
$\neg \vdash$	//	UŞ-			
	7	Vs-			
		Us-	/	1 /	1
		US-	K	/	

		FOREIGN P	ATENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	D. L.E	Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ³ (If known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages of Relevant Eigures Appear	T ⁶
	-					
	ļ					
	ļ					

Examiner Signature	Streeta Socie	Date Considered	9	30	186	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute from 1449APTO

THE FORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

	Complete if Known	
Application Number	10/666,930	
Filing Date	September 19, 2003	
First Named Inventor	Farnworth et al.	
Group Art Unit	2812	
Examiner Name	S. Isaac	
Attorney Docket Number	2269-5529US (02-0766 00/US)	

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Cohumns, Lines, Where Relevant Passages or Relevant Figures Appear
201	\ \ \	US-4,266,334	05/12/1981	Edwards et al.	$\overline{}$
T	17	US- 5,268,065	12/07/1993	Grupen-Shemansky	
	17	US- 5,703,493	12/30/1997	Weeks et al.	
1		US- 6,593,171 B2	07/15/2003	Farnworth	
	$\Box \Box$	ŲS-			
		U&-			\ /
		US-\			. \ /
-		US-			
∇		US-			X
X		US-			
$\Delta \Delta$		US-	1		
		US- V			7
$T \setminus$		US-			
$I \dots$	A	US-			
\mathcal{I}		US-			
	V	US-			
	Λ	trs- \			
		US-			
	ν	US-			
T		US-			/

		FOREIGN P	ATENT DOCU	MENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind-Code ³ (If Irrown)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
···	-					
		1				

Examiner Signature Stand Law Considered 19 2406

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴ Applicant is to place a check mark here if English language Translation is attached.